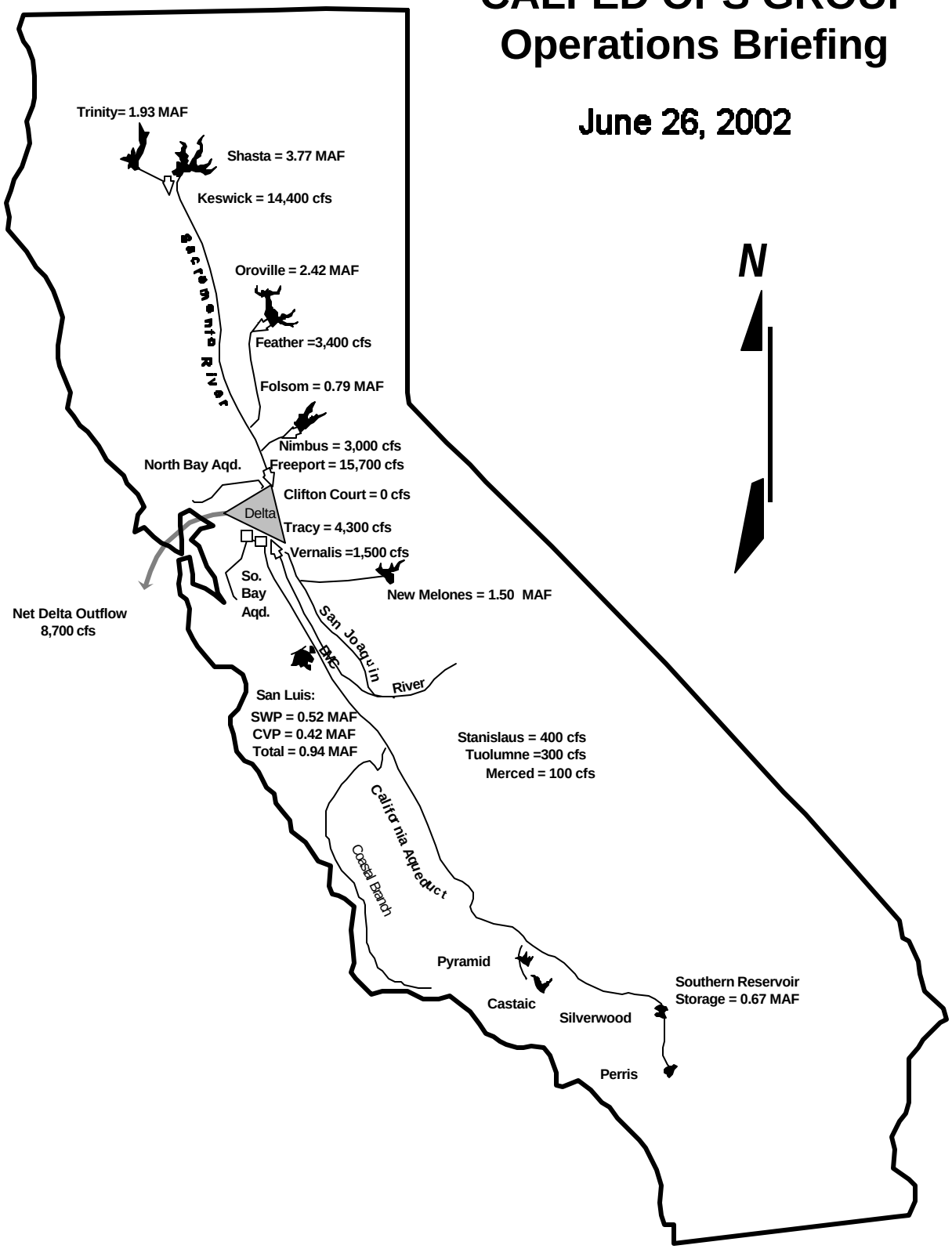
CALFED OPS GROUP
Operations Briefing

June 26, 2002



CURRENT SWP/CVP OPERATIONAL STATUS

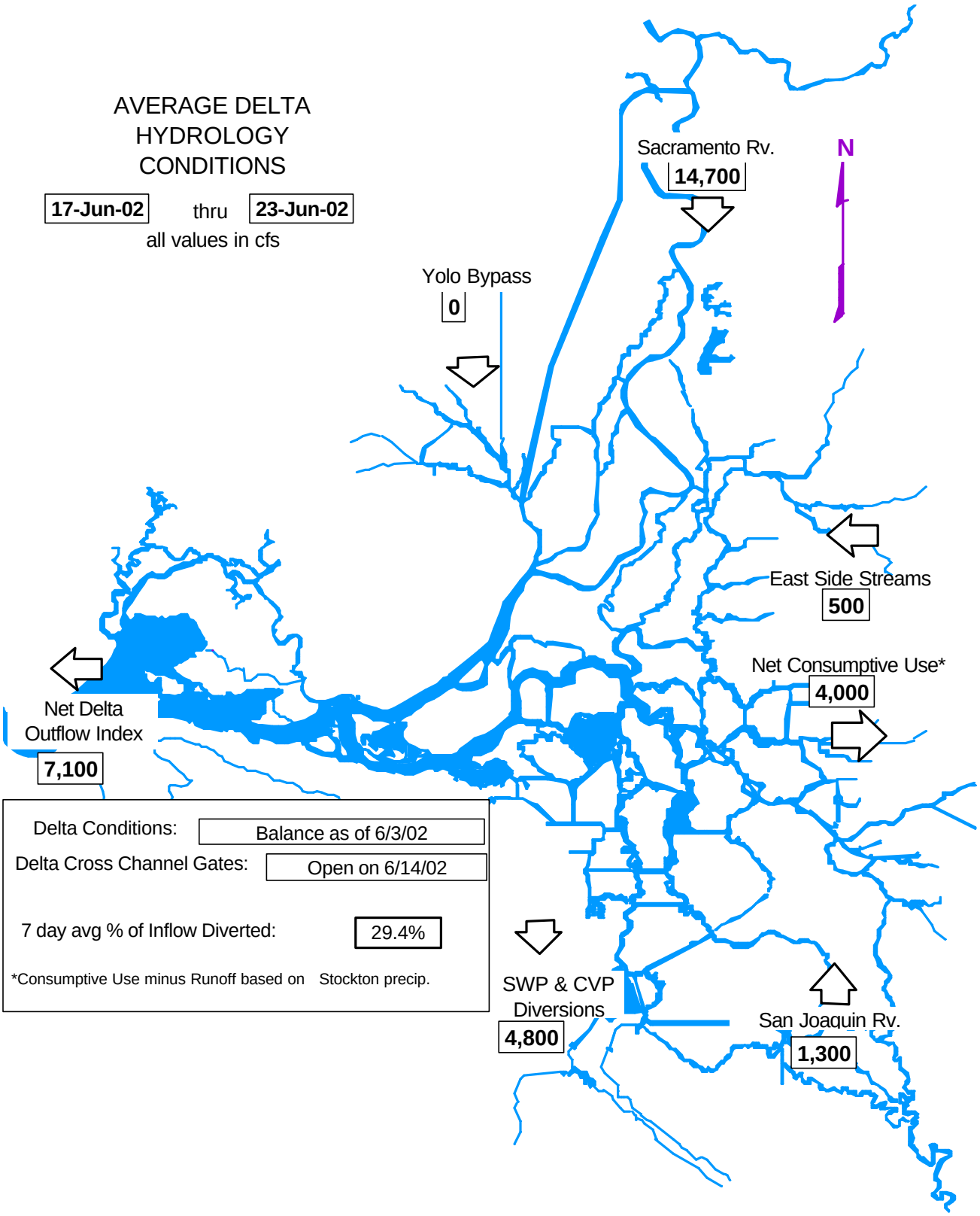
DATA AS OF
June 25, 2002

O&M, OSC

AVERAGE DELTA HYDROLOGY CONDITIONS

17-Jun-02 thru **23-Jun-02**

all values in cfs



Delta Conditions:	Balance as of 6/3/02
Delta Cross Channel Gates:	Open on 6/14/02
7 day avg % of Inflow Diverted:	29.4%

*Consumptive Use minus Runoff based on Stockton precip.

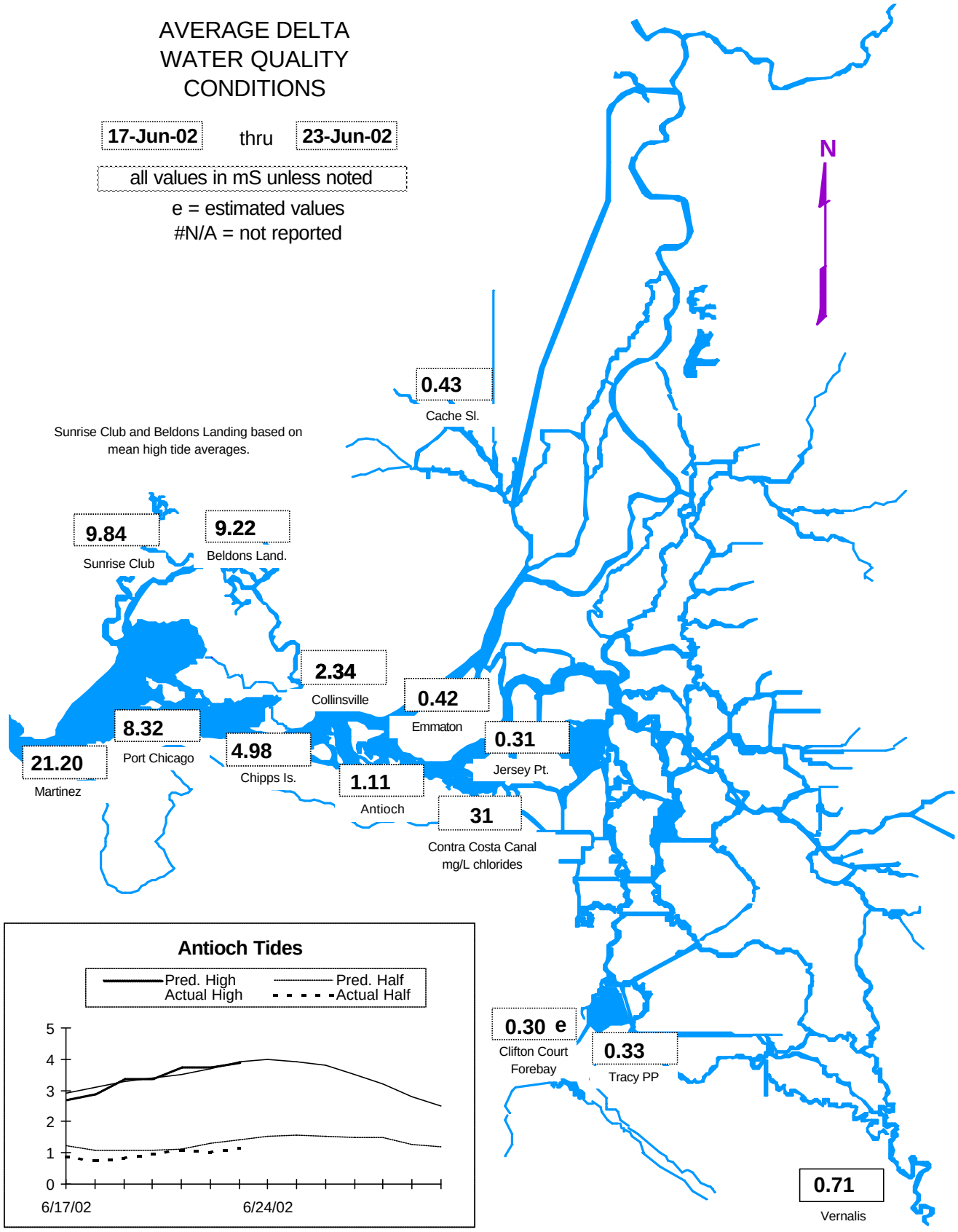
AVERAGE DELTA WATER QUALITY CONDITIONS

17-Jun-02 thru **23-Jun-02**

all values in mS unless noted

e = estimated values

#N/A = not reported



DRAFT

Bay-Delta Standards

DRAFT

Contained in D-1641

CRITERIA	Jun 02	Jul 02	Aug 02
FLOW/OPERATIONAL			
• Fish and Wildlife			
Export/Inflow Ratio	35%	65%	
Minimum Outflow - mon.		5000 cfs	3500 cfs
- 7 day avg.		4000 cfs	2500 cfs
Habitat Protection Outflow, X2			
	Chipps Island for 1 days Collinsville for 30 days		
River Flows:			
@ Rio Vista - min. mon. avg.			
- 7 day average			
@ Vernalis: Base -min. mon. avg.	1,420 cfs		
- 7 day average	1,136 cfs		
Delta Cross Channel Gates	Gates may close 14 days from May 21 - June 15 up to 4 consec. days ea. week		
WATER QUALITY STANDARDS			
• Municipal and Industrial			
All Export Locations	Cl <= 250 mg/l		
Contra Costa Canal	Cl <= 150 mg/l for 165 days (175 days met)		
• Agriculture	June 16 - Aug 15 ; Emmaton <= 1.67 mS/cm EC, Jersey <= 1.35 mS/cm		
Western/Interior Delta	14-dm <= 0.45 mS/cm EC		
Southern Delta	30-day running average EC <= 0.7 mS		
• Fish and Wildlife			
San Joaquin River Salinity			
Suisun Marsh Salinity			

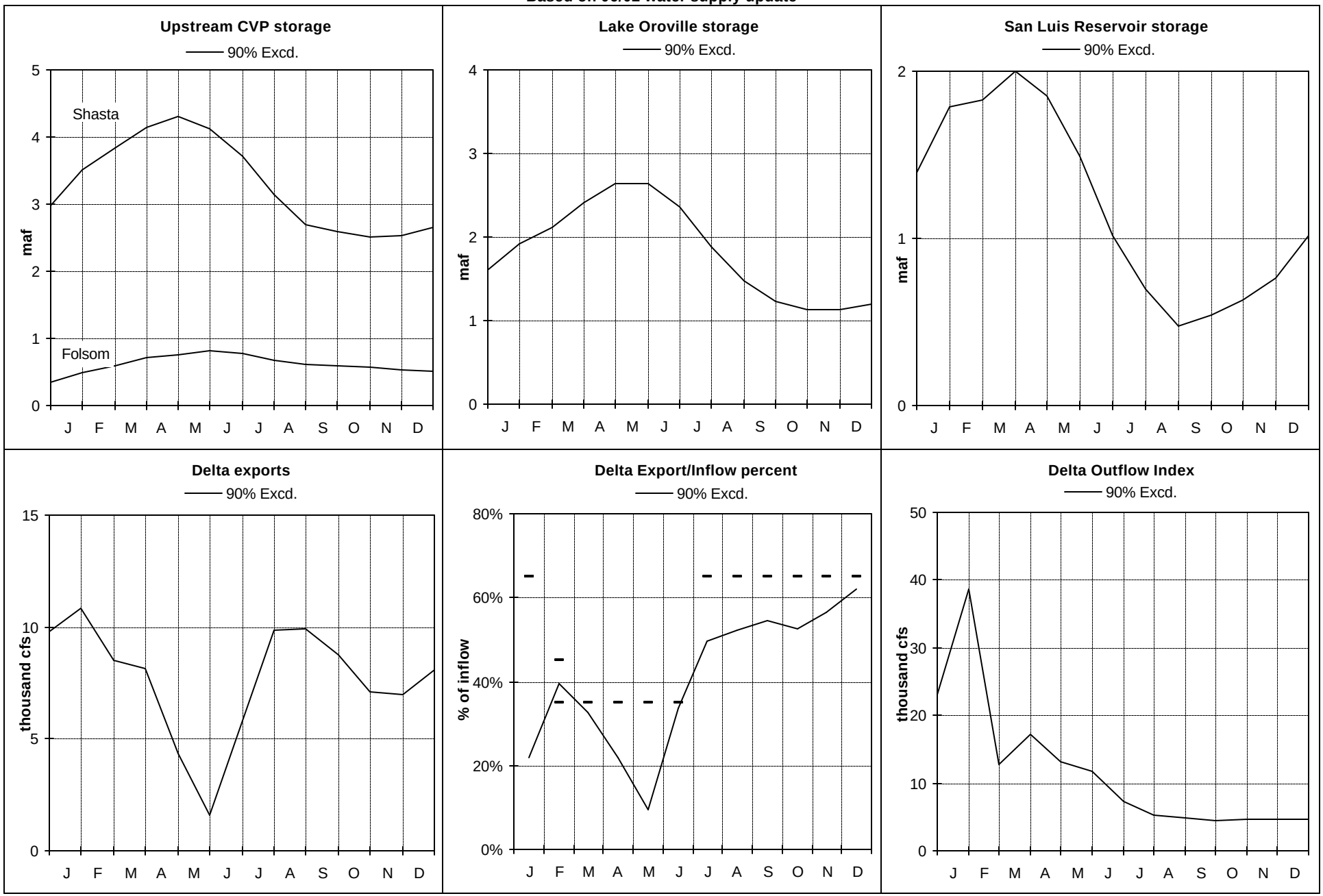
Water Year Classification: (May 1 forecast)

SRI (40-30-30 @ 50%) = 6.5 (Dry) May 8RI: 2.59 MAF

SJV (60-20-20 @75%) = 2.3 (Dry)

SWP & CVP WY 2002 Forecasted Operations.

Based on 06/02 water supply update



Flows are monthly averages.

WY 2001/2002 EWA Accounting Summary
Based on June 1 -- 90% Exceedence Hydrology

EWA NOD and SOD Storage

1	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
NOD [0]	45									145 [7,8]							190
SOD																	

EWA Asset Acquisition in SWP San Luis [1]

2	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
E/I Relaxation			3			76											79
EWA share of SWP gain		3															3
Project Pumping to reduce EWA debt																	0
JPOD using excess flows																	0
JPOD using excess NOD storage																	0
Xfer NOD - Sacramento River [2]		4 [3]	11 [3]														15
Xfer NOD - San Joaquin River [2]		12 [4]	11 [4]														23
SOD SWP surface purchases		11 [5]	9 [5]	12 [5]						32 [6]	32 [6]	32 [6]					130
Exchange of EWA assets							-9 [13]	-31 [13]				20 [13]					-20
Groundwater pumping SOD																	0
Exchange from CVP to SWP in SL																	0
Total Monthly EWA Assets		**30**	**34**	**12**	**0**	**76**	**-9**	**-31**	**0**	**32**	**32**	**52**	**0**	**0**	**0**	**0**	**230**

EWA Asset Acquisition in CVP San Luis

3	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
E/I Relaxation																	0
Project Pumping to reduce EWA debt																	0
JPOD using excess flows																	0
JPOD using excess NOD storage										14 [7]	52.5 [7,8]	46.2 [7,8]	5.0 [7,8]	1.3 [8]	1.3 [8]		121
Xfer NOD - Sacramento River [2]																	0
Xfer NOD - San Joaquin River [2]																	0
SOD federal surface purchases																	0
Exchange of EWA assets																	0
Groundwater pumping																	0
Exchange from SWP to CVP in SL																	0
Total Monthly EWA Assets	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**14**	**53**	**46**	**5**	**1**	**1**	**0**	121

EWA Expenditures at the Export Pumps

4	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SWP export cuts					-66 [9]		-38 [12]	-28 [10]	-79 [10]	-69							-281
CVP export cuts									-69								-69
Total Expenditures	**0**	**0**	**0**	**0**	**-66**	**0**	**-38**	**-28**	**-149**	**-69**	**0**	**0**	**0**	**0**	**0**	**0**	**-350**

EWA End-of-Month Incremental Storage Changes

5	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SWP in SL (without Source Shift)	7	30	34	12	-66	76	-47	-59	-79	-37	32	52	0	0	0	0	-44
CVP in SL	0	0	0	0	0	0	0	0	-69	14	53	46	5	1	1	0	51
NOD Storage	45	-19	-26	0	0	0	0	0	0	128	-62	-54	-6	-2	-2	0	0
Groundwater SOD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Incremental Storage Changes	**52**	**11**	**8**	**12**	**-66**	**76**	**-47**	**-59**	**-149**	**106**	**23**	**44**	**-1**	**0**	**0**	**0**	**7**

EWA End-of-Month Storage Balance at Various Sites

6	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
SWP in SL (without Source Shift)	7	38	72	84	17	93	46	-13	-92	-129	-96	-44	-44	-44	-44	-44
CVP SL	0	0	0	0	0	0	0	0	-69	-55	-3	44	49	50	51	51
NOD Storage	45	26	0	0	0	0	0	0	0	128	66	12	6	4	0	0
Groundwater SOD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EWA Asset Balance	**52**	**64**	**72**	**84**	**17**	**93**	**46**	**-13**	**-162**	**-56**	**-33**	**12**	**11**	**10**	**7**	**7**

San Luis Reservoir Storage Conditions

7	C/O	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Total Storage (base case) [11]		707	884	1302	1790	1832	1982	1857	1565	950	688	579	610	636	676	835
Encroachment																
Total Storage (EWA case)		745	955	1386	1807	1925	2028	1844	1403	766	589	578	615	642	683	842
MWD Source Shifting	29	-10	-10	-9												
Storage (with MWD source shifting)		**764**	**964**	**1386**	**1807**	**1925**	**2028**	**1844**	**1403**	**766**	**589**	**578**	**615**	**642**	**683**	**842**

[0] 2001 NOD Storage = 20(PCWA) + 25(MID). 2002 NOD Storage = 135(YCWA) + 10(SGA). June is 135(YCWA) + 10(SGA). YCWA has firm 30 TAF; Exercised options for additional 1

[1] Aqueduct conveyance and evaporation losses are not included.

[2] Carriage water loss applies to water transfers from the Sacramento River; a 10% conveyance loss applies to water transfers from the San Joaquin River.
Carriage water losses applied to the 2001 water transfers are as follows: 15% for the YCWA and OWID transfers; and 25% for the PCWA transfer.

[3] 2001 PCWA Transfer (Joint place of use) [4] 2001 MID Transfer (Joint place of use)

[5] SOD 2001 SWP post lowpoint deliveries = 15(Semitropic/Tulare ID) + 5(Cawelo) + 12(Santa Clara [6] 2002 KCWA Transfer [7] 2002 YCWA Transfer (Joint place of use)

[8] SGA Transfer [9] An estimated total of 66 TAF has been expended for the 1/5-1/9 curtailment.

[10] Approximately 45 TAF has been expended for 2002 VAMP (28 TAF in April and 17 TAF in May) for the SWP.

[11] SWP-based upon the 6/1/02 DWR's 90% allocation study/CVP-based upon the 6/21/02 USBR's 90% forecast "June90B2wline-JP-EWA".

[12] Conversion from EWA to Project water since San Luis Reservoir was physically full. [13] A 2:1 exchange program between the SWC and EWA beginning 3/30/02 and ending 4/8/02.